

# Recombinant human FHL3 protein

Catalog Number: ATGP2411

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-280aa

### UniProt No.

Q13643

### NCBI Accession No.

NP\_004459

### Alternative Names

Four and a half LIM domains 3, Four and a half LIM domains 3, SLIM2, NP\_004459, SLIM-2, Skeletal muscle LIM-protein 2

## PRODUCT SPECIFICATION

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### Molecular Weight

33.6 kDa (303aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

FHL3 is a member of a family of proteins containing a four-and-a-half LIM domain, which is a highly conserved double zinc finger motif. The protein has been shown to interact with the cancer developmental regulators SMAD2, SMAD3, and SMAD4, the skeletal muscle myogenesis protein MyoD, and the high-affinity IgE beta chain regulator MZF-1. This protein may be involved in tumor suppression, repression of MyoD expression, and repression of IgE receptor expression. Two transcript variants encoding different isoforms have been found for

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this gene. Recombinant human FHL3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMSSEFDC AKCNESLYGR KYIQTDSPY CVPCYDNTFA NTCAECQQLI GHDSRELFYE  
DRHFHEGCFR CCRCQRSLAD EPFTCQDSEL LCNDCYCSAF SSQCSACGET VMPGSRKLEY GGQWHEHCF LSCGCEQPLG  
SRSFVPDKGA HYCVPCYENK FAPRCARCSK TLTQGGVTYR DQPWHRECLV CTGCQTPLAG QQFTSRDEDP YCVACFGELF  
APKCSSCKRP IVGLGGGKYV SFEDRHWHHN CFSCARCSTS LVGQGFVPDG DQVLCQGCSQ AGP

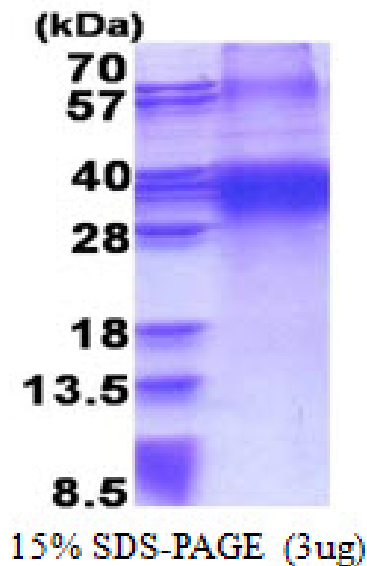
## General References

Morgan M.J., et al. (1999) Biochem. Biophys. Res. Commun. 255:245-250

Morgan M.J., et al. (1996) Biochem. Biophys. Res. Commun. 225:632-638

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.